ACTS

Advanced Combat Training System

Flight training - as real as it gets

General Description

The Advanced Combat Training System (ACTS) is Elbit Systems' answer to the need for enhanced training tailored to all types of military platforms. Based on data link technologies, ACTS generates a comprehensive virtual environment for training as close to reality as it gets. Tailored to individual needs, the system provides the flexibility to generate realistic performance of all types of sensors, weapons and systems.

The ACTS is implemented into the IAR-99 aircraft of the Romanian Air Force.

Elbit SYSTEMS Ltd.

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Key Features

- Virtual Radar
  - Generic radar performance customized to radar used by customers
- Virtual Missiles
  - Any IR and EM missile can be simulated
  - Air to Air and Anti-tank missile simulation
- Virtual Threats
  - Interceptors, Air to Air missiles, SAM sites and AAA batteries
- Virtual RWR (for fighters, helicopters and transporters)
  - Airborne virtual radars and virtual EM missiles
  - Real-time control via Ground Station
- Virtual EW suite
  - Chaff and flares
  - Self-protection jamming
- Instructor Station
  - Real-time control of the scenario
  - Can act as participant in flight
  - 3D flight debriefing
  - Score assessing

Major Advantages

- Enhanced training, anytime, anywhere
- Dynamic scenarios preloaded or initiated by Ground Station
- Typical behavior of airborne and ground targets
- Flexible array of weapons, sensors and threats
- Real-time score assessing
- Post-flight and real-time 3D debriefing
- Cost reduction
- Increased safety
- Minimizing gap between trainers and fighters
- More targets; less aircraft
- Real-time monitoring by Ground Station

IAR 99 Cockpit

IAR 99 Aircraft

Instructor and Debriefing Station

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Training & Simulation